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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,626	07/19/2006	Kaoru Hoshino	293615US0PCT	6116
OBLON, SPIV	7590 06/05/200 AK, MCCLELLAND	EXAMINER		
1940 DUKE STREET ALEXANDRIA, VA 22314		ROE, JESSEE RANDALL		
			ART UNIT	PAPER NUMBER
			1793	
			NOTIFICATION DATE	DELIVERY MODE
			06/06/2000	EL ECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/586,626	HOSHINO ET AL.		
Examiner	Art Unit		
Jessee Roe	1793		

	Jessee Roe	1793					
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress				
THE REPLY FILED 29 May 2009 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
. ☑ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 3 T CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:							
a) \(\sum \) The period for reply expires \(\frac{3}{2}\) months from the mailing date of the final rejection. b) \(\sum \) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In one event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.							
Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	b). ONLY CHECK BOX (b) WHEN THE						
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filled is the date for purposes of determining the period re- under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patient term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL.	ension and the corresponding amount hortened statutory period for reply origi than three months after the mailing dat	of the fee. The appropria nally set in the final Office	ate extension fee e action; or (2) as				
The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with the	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	s of the date of e appeal. Since a				
<u>AMENDMENTS</u>							
 The proposed amendment(s) filed after a final rejection, t They raise new issues that would require further cor They raise the issue of new matter (see NOTE below) They are not deemed to place the application in better 	nsideration and/or search (see NO) w);	ΓE below);					
appeal; and/or	,		ie issues ioi				
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.					
4. The amendments are not in compliance with 37 CFR 1.12	21. See attached Notice of Non-Co	mpliant Amendment (I	PTOL-324).				
5. Applicant's reply has overcome the following rejection(s):							
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	owable if submitted in a separate,	timely filed amendmer	nt canceling the				
7. \(\times \) For purposes of appeal, the proposed amendment(s): a) [\(\times \) how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed:		I be entered and an e	xplanation of				
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 							
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appea and was not earlier presented. Se	al and/or appellant fail ee 37 CFR 41.33(d)(1	s to provide a).				
 The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER 	n of the status of the claims after er	ntry is below or attach	ed.				
 The request for reconsideration has been considered but See Continuation Sheet. 	does NOT place the application in	condition for allowan	ce because:				
12. Note the attached Information Disclosure Statement(s). (13. Other:	PTO/SB/08) Paper No(s)						
/Roy King/ Supervisory Patent Examiner, Art Unit 1793							

Continuation of 11, does NOT place the application in condition for allowance because: Applicant's arguments filed 29 May 2009 have been considered but they are not persuasive.

First, the Applicant primarily argues that the claims as presently drafted correctly describe the present invention wherein HCN generated in a heating furnace is caused to act on the surface of the metal member. The Applicant further argues that as described in paragraph [0033] spanning specification pages 14-15, the mixed gas in the heating furnace forms HCN under the catalytic action of any of a metal inner wall of the furnace, a metal ing, and the metal member itself and the Examiner's interpretation of the claims as including only one of a metal member, a metal-made inner wall, and a metal-made jig is incorrect as, in fact, all three may be present as is supported b the specification as originally filed.

In response, the preamble (line 1) of independent claim 1 recites "A method for activating a surface of a metal member" and lines 2-5 of claim 1 recite "[Opporprising heating a mixed gas of a carbon do none compound and ammonia to at least 300°C in a heating furnace to form HCN under catalytic action of at least one of said metal member, a metal-made inner wall of said furnace and a metal-made jig in the thus-heated mixed gas and causing the thus-formed HCN to act on said sufface of said metal member. The phrase "at least one of "provides for scenarios that would exclude the metal member. Therefore, it is unclear whether the metal member is required by the claim or not. Furthermore, Kubota ("540) discloses heating steel materials in a gas mixture comprising acetylene or ethylene and ammonia in a vacuum furnace at temperatures on the order of 850°C to 900°C (co.1, slines 28-45, co.6, lines 23-31 and Process 5). Thus, the Applicant's amendment to claim 1 "and wherein a ratio of a flow rate of carbon donor compound into said heating furnace is 10,0001 to 10.1" would not overcome the rejection of claim 1 as being unpatentable over Kubota ("540) discloses using acetylene or ethylene and ammonia and it is not inventive to discover by the optimum or workable ranges by routine experimentation. MPEP 2144.0 SI II.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessee Ros whose telephone number is (571)272-5938. The swammer can normally be reached on Monday-Thursday and alternate Fridays 7:00 AM - 4:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy V. King can be reached on (571) 272-244. The fax phone number for the organization where this application or proceeding is assigned is 5712-73-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for impublished applications may be obtained from either Private PAIR or Public PAIR. Status information for impublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-cifrect.pubs.op.ov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 868-217-919 (foll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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